

INTERNATIONAL SEARCH REPORT

Int Application No
PCT/GB2004/004379

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06T11/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06T

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	THIELEMANS K ET AL: "Image reconstruction of motion corrected sinograms" 2003 IEEE NUCLEAR SCIENCE SYMPOSIUM CONFERENCE RECORD. / 2003 IEEE NUCLEAR SCIENCE SYMPOSIUM AND MEDICAL IMAGING CONFERENCE. PORTLAND, OR, OCT. 19 - 25, 2003, IEEE NUCLEAR SCIENCE SYMPOSIUM CONFERENCE RECORD, NEW YORK, NY : IEEE, US, vol. VOL. 5 OF 5, 19 October 2003 (2003-10-19), pages 2401-2406, XP010737534 ISBN: 0-7803-8257-9 whole document ----- -/-	1-16

☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

8 June 2005

Date of mailing of the international search report

05/07/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Deltorn, J-M

INTERNATIONAL SEARCH REPORT

Inter Application No
PCT/GB2004/004379

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BLOOMFIELD P. ET AL.: "The design and implementation of a motion correction scheme for neurological PET" PHYS. MED. BIOL., vol. 48, 21 April 2003 (2003-04-21), pages 959-978, XP002330783 cited in the application abstract, sections 1-3	1,3,4, 9-16
Y	----- LEE K.J. AND BARBER D.C.: "Use of forward projection to correct patient motion during SPECT imaging" PHYS. MED. BIOL., vol. 43, 1998, pages 171-187, XP002330937 sections 1-3	2-4
Y	----- QI J. AND HUESMAN R.H.: "CORRECTION OF MOTION IN PET USING EVENT-BASED REBINNING METHOD: PITFALL AND SOLUTION" J. NUCL. MED., 19 June 2002 (2002-06-19), page 146P, XP008048144 cited in the application whole abstract	3,4
A	----- JINYI QI ET AL: "List mode reconstruction for pet with motion compensation: a simulation study" BIOMEDICAL IMAGING, 2002. PROCEEDINGS. 2002 IEEE INTERNATIONAL SYMPOSIUM ON JULY 7-10, 2002, PISCATAWAY, NJ, USA, IEEE, 7 July 2002 (2002-07-07), pages 413-416, XP010600613 ISBN: 0-7803-7584-X sections 1 and 2	1-16
A	----- FULTON R R ET AL: "Correction for head movements in positron emission tomography using an optical motion tracking system" NUCLEAR SCIENCE SYMPOSIUM CONFERENCE RECORD, 2000 IEEE LYON, FRANCE 15-20 OCT. 2000, PISCATAWAY, NJ, USA, IEEE, US, vol. 3, 25 October 2000 (2000-10-25), pages 1758-1762, XP010556640 ISBN: 0-7803-6503-8 sections II and IV -----	1,9-16